

A futuristic, dark blue and purple digital tunnel with glowing lines and a grid floor. The tunnel is composed of many small, dark blue and purple rectangular blocks that form a grid pattern on the walls and floor. The perspective is looking down a long, narrow corridor that recedes into the distance. Several bright, glowing lines of light in shades of blue and purple run along the walls and floor, creating a sense of depth and movement. The overall atmosphere is high-tech and digital.

# ***SIMORCHIP*** ***Product Overview***

# Worldwide Offices / Factories



**SIMORCHIP**



# AGENDA

**PCIe 4.0**

**PCIe 3.0**

**2.5 SSD**

**Portable Storage**

**USB Flash Drivers**

**Memory Cards**

**DDR5 RGB**

**DDR5**

**DDR4 RGB**

**DDR4 Heatsink**

**DDR4**

**DDR3**

# PCIe 4.0

## SSD430

Model	SMCXXXM28P4
Bus Interface	Gen4x4
Capacity	512GB/1TB/2TB/4TB
Sep.read(MB/S)	7200/6500
TBW	2400
MTBF ( H )	1500000
Operating Temperature	0°C ~ 70°C
Warranty	3Y
Features	<ul style="list-style-type: none"><li>• PCIe 4.0 SSD, Born to Break Limits</li><li>• Up to 7500 MB/s</li><li>• High performance with new technologyAll</li></ul>
Capacity /Module Name	<ul style="list-style-type: none"><li>• 512GB_SMC512GM28P4</li><li>• 1TB_SMC001TM28P4</li><li>• 2TB_SMC002TM28P4</li><li>• 4TB_SMC004TM28P4</li></ul>



## SSD420

Model	SMCXXXM28P4SE
Bus Interface	Gen4x4
Capacity	512GB/1TB/2TB
Sep.read(MB/S)	5100/4500
TBW	1200
MTBF ( H )	1500000
Operating Temperature	0°C ~ 70°C
Warranty	3Y
Features	<ul style="list-style-type: none"><li>• Consumer PCIe 4.0 NVMe M.2 SSD</li><li>• Read speed up to 5000MB/s with PCIe 4.0 interface</li><li>• Lower power consumption</li></ul>
Capacity /Module Name	<ul style="list-style-type: none"><li>• 512GB_SMC512GM28P4SE</li><li>• 1TB_SMC001TM28P4SE</li><li>• 2TB_SMC002TM28P4SE</li></ul>



# PCIe 3.0

## SSD330

Model	SMCXXXM28P3
Bus Interface	Gen3x4
Capacity	128GB/256GB/512GB/1TB/2TB
Sep.read(MB/S)	3200/2800
TBW	1500000
MTBF ( H )	640
Operating Temperature	0°C ~ 70°C
Warranty	3Y
Features	<ul style="list-style-type: none"> <li>• Cost &amp; Performance &amp; Power Consumption</li> <li>• Worry-free Structure, Capacity Upgraded</li> <li>• Better 3D Graphic Editing Experience with Enhanced Stability</li> </ul>
	Capacity /Module Name



## SSD320

Model	SMCXXXM28P3SE
Bus Interface	Gen3x4
Capacity	128GB/256GB/512GB/1TB
Sep.read(MB/S)	2400/1600
TBW	1500000
MTBF ( H )	320
Operating Temperature	0°C ~ 70°C
Warranty	3Y
Features	<ul style="list-style-type: none"> <li>• First Choice After Switching from SATA</li> <li>• Responsible for Your Data Security</li> <li>• Generous capacities available from 128GB-1TB</li> </ul>
	Capacity /Module Name



# 2.5 SSD

## 2.5" SSD

### SSD 110

Bus Interface	SATA III 6GB/S
Capacity	128GB/256GB/512GB/1TB/2TB/4TB
Sep.read(MB/S)	520/490
MTBF ( H )	1000000
TBW	300
Operating Temperature	0°C ~ 70°C
Warranty	3Y

- Features
- 4 times faster than a HDD
  - Optimized SLC caching algorithm
  - S.M.A.R.T. monitoring technology
  - TRIM optimization command

- Capacity /Module Name
- 128GB \_SMC128GSSDS3
  - 256GB \_SMC256GSSDS3
  - 512GB \_SMC512GSSDS3
  - 1TB \_SMC001TBSSDS3
  - 2TB \_SMC002TBSSDS3
  - 4TB \_SMC004TBSSDS3



## 2.5" SSD

### SSD 120

Bus Interface	SATA III 6GB/S
Capacity	128GB/256GB/512GB/1TB/2TB/
Sep.read(MB/S)	510/500
MTBF ( H )	1000000
TBW	300
Operating Temperature	0°C ~ 70°C
Warranty	3Y

- Features
- 3D NAND technology
  - High speed transfer
  - Extremely lightweight and thin
  - Product warranty

- Capacity /Module Name
- 12128GB \_SMC128GSSDS3B
  - 256GB \_SMC256GSSDS3B
  - 512GB \_SMC512GSSDS3B
  - 1TB \_SMC001TBSSDS3B
  - 2TB \_SMC002TBSSDS3B
  - 4TB \_SMC004TBSSDS3B



# Portable Storage

## PH20(PSSD)

Dimensions	SMCXXXXMPSSD
Weight	135g
Flash Type	TLC/QLC
USB Type	USB 3.0 Connector: USB 3.0
Connection Interface	USB
Performance	Sep.read:950MB/s (NVMe) Sep.write: 900MB/s (NVMe) Sep.read:450MB/s(SATA) Sep.write:420MB/s(SATA)
Operating Temperature	0°C ~ 70°C
Features	<ul style="list-style-type: none"> <li>• Automatic detection &amp; dual interface support</li> <li>• Classic look that is resilient, durable</li> <li>• Plug-and-use</li> <li>• Great for cross-platform creations</li> </ul>
Capacity /Module Name	<ul style="list-style-type: none"> <li>• 512G_SMC512GMPSSD</li> <li>• 1TB_SMC001TBMPSSD</li> <li>• 2TB_SMC002TBMPSSD</li> </ul>



## PH10(PHDD)

Dimensions	SMCXXXXBMPHD
Weight	235g
USB Type	USB 3.0 Connector: USB 3.0
Connection Interface	USB
Performance	Sep.read : 120MB/s Sep.write : 115MB/s
Operating Temperature	0°C ~ 70°C
Warranty	Three-year Limited
Features	<ul style="list-style-type: none"> <li>• Automatic detection &amp; dual interface support</li> <li>• Classic look that is resilient, durable</li> <li>• Plug-and-use</li> <li>• Great for cross-platform creations</li> </ul>
Capacity /Module Name	<ul style="list-style-type: none"> <li>• 1TB_SMC001TBMPHDD</li> <li>• 2TB_SMC002TBMPHDD</li> </ul>



**SIMORCHIP**



# USB Flash Drivers

## U10

Flash Type	USB3.2
Capacity	32GB/64GB/128GB
Sep.read(MB/S)	32GB speed 120MB/S 64GB and above with a transmission speed of up to 150MB/s
Features	<ul style="list-style-type: none"> <li>• USB 3.2 interface is backward compatible with high transfer speed</li> <li>• Paired with Type-C interface to meet mobile needs</li> <li>• Zinc alloy shell, reincarnated cutting, high-end aesthetic</li> <li>• 8 hours of high and low temperature aging, and 80 hours of rigorous inspection</li> </ul>
Capacity /Module Name	<ul style="list-style-type: none"> <li>• 32GB_SMC032GBUFD</li> <li>• 64GB_SMC064GBUFD</li> <li>• 128GB_SMC128GBUFD</li> </ul>



## U20

Flash Type	USB3.2 USB-A/C
Capacity	32GB /64GB /128GB
Sep.read(MB/S)	32GB speed 120MB/S 64GB and above with a transmission speed of up to 150MB/s
Features	<ul style="list-style-type: none"> <li>• Mature interface, combined with updated main control, comprehensive upgrade of USB drive performance</li> <li>• Low temperature, low power consumption, long-lasting use, strong error correction ability</li> <li>• Dual interface design enables data transmission between PC and mobile devices</li> </ul>
Capacity /Module Name	<ul style="list-style-type: none"> <li>• 32GB_SMC032GBUFD2</li> <li>• 64GB_SMC064GBUFD2</li> <li>• 128GB_SMC128GBUFD2</li> </ul>



**SIMORCHIP**



# Memory Cards

T10

Capacity	32GB/64GB/128GB
Sep.read(MB/S)	90MB/s
Features	<ul style="list-style-type: none"><li>• 32GB/64GB/128GB</li><li>• Monitoring, camera, video high-speed 4K storage card</li><li>• Reading speed of 90MB/s, UHS-1 video specification</li><li>• Efficient heat resistance, anti magnetic and low temperature resistance, long service life</li><li>• Support drones, dash cams, etc</li></ul>
Capacity /Module Name	<ul style="list-style-type: none"><li>• 32GB_SMC032GBMSD</li><li>• 64GB_SMC064GBMSD</li><li>• 128GB_SMC128GBMSD</li></ul>



**SIMORCHIP**

# DDR5 RGB

## DDR5 RGB RX-1

Frequency	5600/6000
CL	46/46
Capacity	16GB / 32GB
Voltage	1.35V
Features	<ul style="list-style-type: none"><li>• Powerful RGB, Lighting</li><li>• Carefully Selected IC</li><li>• Excellent Overclocking, Exploring Possibilities</li><li>• Gamers</li></ul>
Capacity /Module Name	<ul style="list-style-type: none"><li>• 5600_CR5600RX18G/16G</li><li>• 6000_CR6000RX18G/16G</li></ul>



## DDR4 RGB CX-1

Frequency	3200/3600
CL	16 /18
Capacity	8GB/16GB
Voltage	1.35V
Features	<ul style="list-style-type: none"><li>• Up to DDR4 3600MHZ</li><li>• XMP 2.0 Supported</li><li>• Dynamic RGB lighting</li><li>• Lifetime Limited Warranty</li><li>• Professional players</li></ul>
Capacity /Module Name	<ul style="list-style-type: none"><li>• 3200_CR3200CX18G/16G</li><li>• 3600_CR3600CX18G/16G</li></ul>



**SIMORCHIP**

# DDR4 Heatsink

## DDR4 NX-1

Frequency	3200 / 3600
Latency	16 / 22
Capacity	8GB/16GB
Voltage	1.2~1.35V
Features	<ul style="list-style-type: none"><li>• Simple and Reliable</li><li>• Better Quality, Better Efficiency</li><li>• Excellent Overclocking</li><li>• Office users</li></ul>
Capacity /Module Name	<ul style="list-style-type: none"><li>• 3200_CR3200NX108G/016G</li><li>• 3600_CR3600NX108G/016G</li></ul>



**SIMORCHIP**

# DDR4 Heatsink

## DDR4 Heatsink 300

Frequency	3200/3600
Latency	18/18
Capacity	8GB/16GB
Voltage	1.35V

Features	• Selected IC Chips
	• Built to perform
	• Stunning Speed and Powerful Performance

Capacity /Module Name	• Professional players
	• 8GB_SMC08G8U4D32HSA / SMC08G8U4D36HSA
	• 16GB_SMC16G8U4D32HSA / SMC16G8U4D36HSA



## DDR4 Heatsink 400

Frequency	3600/4000
Latency	18/19
Capacity	8GB/16GB
Voltage	1.35V

Features	• Premium Aluminum Heat Spreader to keep your System Cool
	• High-computing power for stabilized performance
	• Easy to install

Capacity /Module Name	• Professional players
	• 8GB_SMC08G8U4D36HSB / SMC08G8U4D40HSB
	• 16GB_SMC16G8U4D36HSA / SMC16G8U4D40HSA





# DDR5

## DDR5 Sodimm

Frequency	4800/5600
Latency	40/46
Capacity	8GB/16GB/32GB
Voltage	1.1v
Features	<ul style="list-style-type: none"><li>• Lifetime Warranty</li><li>• Various Bandwidth&amp;Capacity</li><li>• Cost Efficiency</li></ul>
Capacity /Module Name	<ul style="list-style-type: none"><li>• 8GB_SMC08G4S5F48 / SMC08G4S5F56</li><li>• 16GB_SMC16G8S5F48 / SMC16G8S5F56</li><li>• 32GB_SMC32GFS5F48 / SMC32GFS5F56</li></ul>



## DDR5 Udimm

Frequency	4800/5600
Latency	40/46
Capacity	8GB/16GB/32GB
Voltage	1.1v
Features	<ul style="list-style-type: none"><li>• Lifetime Warranty</li><li>• Various Bandwidth&amp;Capacity</li><li>• Cost Efficiency</li></ul>
Capacity /Module Name	<ul style="list-style-type: none"><li>• 8GB_SMC08G4U5F48 / SMC08G4U5F56</li><li>• 16GB_SMC16G8U5F48 / SMC16G8U5F56</li><li>• 32GB_SMC32GFU5F48 / SMC32GFU5F56</li></ul>



# DDR4

## SODIMM

Frequency 2666/3200

Latency 19/22

Capacity 4GB/8GB/16GB/32GB

Voltage 1.2V

### Features

- The simple way to boost your computer's performance
- Take the next step in high computing performance
- There's no room in your day for slowdowns

Capacity	Frequency	Module Name
4GB	2666	SMC04G8S4E26
4GB	3200	SMC04G8S4E32
8GB	2666	SMC08G8S4E26
8GB	3200	SMC08G8S4E32
16GB	2666	SMC16G8S4E26
16GB	3200	SMC16G8S4E32
32GB	2666	SMC32GFS4E26
32GB	3200	SMC32GFS4E32



## UDIMM

Frequency 2666/3200

Latency 19/22

Capacity 4GB/8GB/16GB/32GB

Voltage 1.2V

### Features

- The simple way to boost your computer's performance
- There's no room in your day for slowdowns
- Simple installation

Capacity	Frequency	Module Name
4GB	2666	SMC04G8U4E26
4GB	3200	SMC04G8U4E32
8GB	2666	SMC08G8U4E26
8GB	3200	SMC08G8U4E32
16GB	2666	SMC16G8U4E26
16GB	3200	SMC16G8U4E32
32GB	2666	SMC32GF4UE26
32GB	3200	SMC32GF4UE32



# DDR3

## SODIMM

Frequency	1600
Latency	11
Capacity	2GB/4GB/8GB
Voltage	1.35V
Features	<ul style="list-style-type: none"><li>• Adherence to JEDEC</li><li>• Strict test and verification procedures are performed for products</li><li>• Lifetime Warranty</li></ul>
Capacity /Module Name	<ul style="list-style-type: none"><li>• 2GB_SMC04G8S3D16</li><li>• 4GB_SMC04G8S3D16</li><li>• 8GB_SMC08GFS3D16</li></ul>



## UDIMM

Frequency	1600
Latency	11
Capacity	2GB/4GB/8GB
Voltage	1.5V/1.35V
Features	<ul style="list-style-type: none"><li>• Adherence to JEDEC</li><li>• Strict test and verification procedures are performed for products</li><li>• Lifetime Warranty</li></ul>
Capacity /Module Name	<ul style="list-style-type: none"><li>• 2GB_SMC02G8U3C16</li><li>• 4GB_SMC04G8U3C16</li><li>• 8GB_SMC08G8U3C16</li></ul>



# SIMORCHIP